


ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

Title of Invention	METHOD AND APPARATUS FOR PROVIDING FAULT TOLERANCE TO MEMORY																																																																																																																														
Submission Type :	Utility Patent Filing																																																																																																																														
Application Number:	10/708347																																																																																																																														
EFS ID:	56110																																																																																																																														
Server Response:	<table border="1"> <thead> <tr> <th>Confirmation Code</th> <th>Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>2346</td> </tr> </tbody> </table>			Confirmation Code	Message	ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application	ICON1	2346																																																																																																																						
Confirmation Code	Message																																																																																																																														
ISVR1	Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application																																																																																																																														
ICON1	2346																																																																																																																														
First Named Applicant:	Chang-Lien Wu																																																																																																																														
Attorney Docket Number:	REAP0048USA																																																																																																																														
Timestamp:	2004-02-25 20:22:33 EDT																																																																																																																														
From:	us																																																																																																																														
File Listing:	<table border="1"> <thead> <tr> <th>Doc. Name</th> <th>File Name</th> <th>Size (Bytes)</th> <th>Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-assignment</td><td>REAP0048-usassn.xml</td><td>1813</td><td>2004-02-25</td></tr> <tr><td>us-assignment</td><td>us-assignment.xml</td><td>8983</td><td>2004-02-25</td></tr> <tr><td>us-assignment</td><td>us-assignment.dtd</td><td>10898</td><td>2004-02-25</td></tr> <tr><td>us-assignment</td><td>REAP0048ASS1.tif</td><td>36850</td><td>2004-02-25</td></tr> <tr><td>us-assignment</td><td>REAP0048ASS2.tif</td><td>35422</td><td>2004-02-25</td></tr> <tr><td>us-request</td><td>REAP0048-usrequ.xml</td><td>1995</td><td>2004-02-25</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-02-25</td></tr> <tr><td>us-request</td><td>us-request.xml</td><td>33300</td><td>2004-02-25</td></tr> <tr><td>us-fee-sheet</td><td>REAP0048-usfees.xml</td><td>1996</td><td>2004-02-25</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xml</td><td>24912</td><td>2004-02-25</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-02-25</td></tr> <tr><td>us-declaration</td><td>REAP0048-usdecl.xml</td><td>844</td><td>2004-02-25</td></tr> <tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2004-02-25</td></tr> <tr><td>us-declaration</td><td>us-declaration.xml</td><td>10015</td><td>2004-02-25</td></tr> <tr><td>us-power-of-attorney-grant</td><td>REAP0048-uspoat.xml</td><td>965</td><td>2004-02-25</td></tr> <tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.dtd</td><td>4923</td><td>2004-02-25</td></tr> <tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.xml</td><td>12448</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>REAP0048-trans.xml</td><td>30825</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>us-application-body.xml</td><td>83497</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>mathml2-qname-1.mod</td><td>13225</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>isoamsa.ent</td><td>5191</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>isoamsb.ent</td><td>3988</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>isoamsc.ent</td><td>1460</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>isoamsn.ent</td><td>5620</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>isoamsr.ent</td><td>1934</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>isoamsr.ent</td><td>7073</td><td>2004-02-25</td></tr> <tr><td>application-body</td><td>isogr3.ent</td><td>3559</td><td>2004-02-25</td></tr> </tbody> </table>			Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)	us-assignment	REAP0048-usassn.xml	1813	2004-02-25	us-assignment	us-assignment.xml	8983	2004-02-25	us-assignment	us-assignment.dtd	10898	2004-02-25	us-assignment	REAP0048ASS1.tif	36850	2004-02-25	us-assignment	REAP0048ASS2.tif	35422	2004-02-25	us-request	REAP0048-usrequ.xml	1995	2004-02-25	us-request	us-request.dtd	19064	2004-02-25	us-request	us-request.xml	33300	2004-02-25	us-fee-sheet	REAP0048-usfees.xml	1996	2004-02-25	us-fee-sheet	us-fee-sheet.xml	24912	2004-02-25	us-fee-sheet	us-fee-sheet.dtd	11069	2004-02-25	us-declaration	REAP0048-usdecl.xml	844	2004-02-25	us-declaration	us-declaration.dtd	3833	2004-02-25	us-declaration	us-declaration.xml	10015	2004-02-25	us-power-of-attorney-grant	REAP0048-uspoat.xml	965	2004-02-25	us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2004-02-25	us-power-of-attorney-grant	us-power-of-attorney-grant.xml	12448	2004-02-25	application-body	REAP0048-trans.xml	30825	2004-02-25	application-body	us-application-body.xml	83497	2004-02-25	application-body	application-body.dtd	49498	2004-02-25	application-body	wipo.ent	4956	2004-02-25	application-body	mathml2.dtd	54588	2004-02-25	application-body	mathml2-qname-1.mod	13225	2004-02-25	application-body	isoamsa.ent	5191	2004-02-25	application-body	isoamsb.ent	3988	2004-02-25	application-body	isoamsc.ent	1460	2004-02-25	application-body	isoamsn.ent	5620	2004-02-25	application-body	isoamsr.ent	1934	2004-02-25	application-body	isoamsr.ent	7073	2004-02-25	application-body	isogr3.ent	3559	2004-02-25
Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)																																																																																																																												
us-assignment	REAP0048-usassn.xml	1813	2004-02-25																																																																																																																												
us-assignment	us-assignment.xml	8983	2004-02-25																																																																																																																												
us-assignment	us-assignment.dtd	10898	2004-02-25																																																																																																																												
us-assignment	REAP0048ASS1.tif	36850	2004-02-25																																																																																																																												
us-assignment	REAP0048ASS2.tif	35422	2004-02-25																																																																																																																												
us-request	REAP0048-usrequ.xml	1995	2004-02-25																																																																																																																												
us-request	us-request.dtd	19064	2004-02-25																																																																																																																												
us-request	us-request.xml	33300	2004-02-25																																																																																																																												
us-fee-sheet	REAP0048-usfees.xml	1996	2004-02-25																																																																																																																												
us-fee-sheet	us-fee-sheet.xml	24912	2004-02-25																																																																																																																												
us-fee-sheet	us-fee-sheet.dtd	11069	2004-02-25																																																																																																																												
us-declaration	REAP0048-usdecl.xml	844	2004-02-25																																																																																																																												
us-declaration	us-declaration.dtd	3833	2004-02-25																																																																																																																												
us-declaration	us-declaration.xml	10015	2004-02-25																																																																																																																												
us-power-of-attorney-grant	REAP0048-uspoat.xml	965	2004-02-25																																																																																																																												
us-power-of-attorney-grant	us-power-of-attorney-grant.dtd	4923	2004-02-25																																																																																																																												
us-power-of-attorney-grant	us-power-of-attorney-grant.xml	12448	2004-02-25																																																																																																																												
application-body	REAP0048-trans.xml	30825	2004-02-25																																																																																																																												
application-body	us-application-body.xml	83497	2004-02-25																																																																																																																												
application-body	application-body.dtd	49498	2004-02-25																																																																																																																												
application-body	wipo.ent	4956	2004-02-25																																																																																																																												
application-body	mathml2.dtd	54588	2004-02-25																																																																																																																												
application-body	mathml2-qname-1.mod	13225	2004-02-25																																																																																																																												
application-body	isoamsa.ent	5191	2004-02-25																																																																																																																												
application-body	isoamsb.ent	3988	2004-02-25																																																																																																																												
application-body	isoamsc.ent	1460	2004-02-25																																																																																																																												
application-body	isoamsn.ent	5620	2004-02-25																																																																																																																												
application-body	isoamsr.ent	1934	2004-02-25																																																																																																																												
application-body	isoamsr.ent	7073	2004-02-25																																																																																																																												
application-body	isogr3.ent	3559	2004-02-25																																																																																																																												

Doc. Name	File Name	Size (Bytes)	Date Produced (yyyymmdd)
application-body	isomfrk.ent	4553	2004-02-25
application-body	isomopf.ent	2571	2004-02-25
application-body	isomscr.ent	4628	2004-02-25
application-body	isotech.ent	5268	2004-02-25
application-body	isobox.ent	3568	2004-02-25
application-body	isocyr1.ent	5345	2004-02-25
application-body	isocyr2.ent	2504	2004-02-25
application-body	isodia.ent	1508	2004-02-25
application-body	isolat1.ent	5282	2004-02-25
application-body	isolat2.ent	9007	2004-02-25
application-body	isonum.ent	5913	2004-02-25
application-body	isopub.ent	6621	2004-02-25
application-body	mmlextra.ent	7901	2004-02-25
application-body	mmlalias.ent	38209	2004-02-25
application-body	soextblx.dtd	12870	2004-02-25
application-body	reap0048usa-01.tif	4238	2004-02-25
application-body	reap0048usa-02.tif	4268	2004-02-25
application-body	reap0048usa-03.tif	5882	2004-02-25
application-body	reap0048usa-04.tif	8310	2004-02-25
application-body	reap0048usa-05.tif	4316	2004-02-25
application-body	reap0048usa-06.tif	10666	2004-02-25
us-declaration	REAP0048DEC1.tif	45408	2004-02-25
us-declaration	REAP0048DEC2.tif	28532	2004-02-25
package-data	REAP0048-pkda.xml	9568	2004-02-25
package-data	package-data.dtd	27025	2004-02-25
package-data	us-package-data.xsl	19263	2004-02-25
Total files size		767968	

Message Digest:

662e445386bf746a5262a00b9a16891409d659ab

Digital Certificate Holder
Name:

cn=Winston Hsu,ou=Registered
Attorneys,ou=Patent and
Trademark
Office,ou=Department of
Commerce,o=U.S.
Government,c=US